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 System forming temporary sports court markings - has ultraviolet-emitting laser arranged with optical deflector to excite phosphorescence on markings

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In a system for producing the lines for a badminton court, the playing surface incorporates suitable phosphors, or is coated with phosphors or is made from a phosphor material. A beam of radiation of wavelength between 370 and 400 nanometres is swept by each of two laser systems mounted high above the playing surface. Each laser (4) sends a beam to a deflector unit (5) of which the scanning motion is controlled by a computer system (6) acting through an interface (9).

The whole playing area is scanned twenty-five times per second and the required court markings phosphoresce in response to beam excitation. Various different programs are provided for the various different court markings.

ADVANTAGE - Single playing area can be used at different times for different sports or games by selection of appropriate scanning program to illuminate required court markings. (23pp Dwg.No.2/2)  
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